

Amendments to the Claims

Please cancel Claims 1-17. Please add new Claims 18-43. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1. - 17. (Canceled)

18. (New) A method of using a wireless Local Area Network (LAN) for providing access to a fixed broadband network to roaming mobile terminals via the wireless LAN, said wireless LAN being connected to a broadband access line of the fixed broadband network, the broadband access line having a first capacity subscribed for by a fixed subscriber, the broadband access line further having a second capacity not subscribed for, the method comprising allocating at least a portion of the second capacity to the roaming mobile terminals.

19. (New) The method according to claim 18, wherein said first and second capacities are bandwidth.

20. (New) The method according to claim 18, wherein said wireless LAN has a coverage zone at subscriber premises of said fixed broadband network.

21. (New) The method according to claim 20, wherein said wireless LAN is installed at said subscriber premises.

22. (New) The method according to claim 20, wherein said roaming mobile terminals are casually passing through said coverage zone.

23. (New) The method according to claim 18, further comprising allocating a portion of said first capacity to said roaming network terminals.

24. (New) The method according to claim 23, wherein said portion of said first capacity is an unused portion of said first capacity.
25. (New) The method according to claim 23, wherein said portion of said first capacity is released to said roaming mobile terminals through priority mechanisms giving priority to roaming mobile terminals over terminals of said fixed subscriber.
26. (New) The method according to claim 25, wherein said terminals of said fixed subscriber are wireless terminals.
27. (New) The method according to claim 18, further comprising performing security and authentication functions securing terminals of said fixed subscriber and said roaming mobile terminals against tapping and illegal use of said fixed broadband network.
28. (New) The method according to claim 18, further comprising providing protocols in said fixed broadband network for performing mobility, handover and roaming procedures.
29. (New) A digital, mobile broadband network providing mobile or nomadic broadband services, the digital mobile broadband network comprising:
a fixed broadband network;
at least one wireless local area network (LAN) connected via a broadband access line to the fixed broadband network, the broadband access line having a first capacity subscribed for by fixed subscribers, the broadband access line further having a second capacity not subscribed for, wherein at least a portion of the unsubscribed capacity is allocated to roaming mobile terminals.
30. (New) The digital mobile broadband network according to claim 29, wherein said first and second capacities are bandwidth.
31. (New) The digital mobile broadband network according to claim 29, wherein a portion of said first capacity is allocated to said roaming network terminals.

32. (New) The digital mobile broadband network according to claim 31, wherein said portion of said first capacity is an unused portion of said first capacity.

33. (New) The digital mobile broadband network according to claim 31, wherein said portion of said first capacity is released to said roaming mobile terminals through priority mechanisms giving priority to roaming mobile terminals over terminals of said fixed subscribers.

34. (New) The digital mobile broadband network according to claim 33, wherein said terminals of said fixed subscribers are wireless terminals.

35. (New) A home network device providing mobile or nomadic broadband services in an existing fixed, broadband network comprising a number of subscribers, said home network device comprising:

- a wireless Local Area Network (LAN) providing local, wireless broadband communication for terminals of a subscriber of the fixed, broadband network and wireless broadband communication for roaming mobile terminals;

- a broadband access line connected to the fixed broadband network, the broadband access line having a first capacity subscribed for by the subscriber and a second capacity not subscribed for;

- a resource management system for allocating at least a portion of the second capacity to the roaming mobile terminals.

36. (New) The home network device according to claim 35, wherein said first and second capacities are bandwidth.

37. (New) The home network device according to claim 35, wherein said resource management system is configured to allocate a portion of said first capacity to said roaming network terminals.

38. (New) The home network device according to claim 37, wherein said portion of said first capacity is an unused portion of said first capacity.

39. (New) The home network device according to claim 37, wherein said portion of said first capacity is released to said roaming mobile terminals through priority mechanisms giving priority to roaming mobile terminals over terminals of said fixed subscriber.

40. (New) The home network device according to claim 39, wherein said terminals of said fixed subscribers are wireless terminals.

41. (New) The home network device according to claim 35, comprising protocol means providing seamless mobility and handover procedures for maintaining a connection to said fixed broadband network for a mobile terminal passing through said wireless LAN.

42. (New) The home network device according to claim 35, comprising protocol means providing roaming between different fixed network operators, peer-to-peer/Ad Hoc operators and said wireless LAN.

43. (New) The home network device according to claim 35, comprising function means supporting the fixed broadband network's management and charging requirements.